Contents

Marine Chemistry, Vol. 31 (1990)

Research Papers Anoxic basins of the eastern Mediterranean: geological framework A. Camerlenghi (Milan, Italy)
A. Camerlenghi (Milan, Italy)
Hydrography of the brines in the Bannock and Tyro anoxic basins (eastern Mediterranean)
Mediterranean)
A. Boldrin and S. Rabitti (Venice, Italy)
Some chemical characteristics of the brines in Bannock and Tyro Basins: salinity,
sulphur compounds, Ca^{2+} , F^- , pH, A_1 , PO_4^{3-} , SiO_2 , NH ₃
D. Bregant, G. Catalano, G. Civitarese and A. Luchetta (Trieste, Italy)
Composition of anoxic hypersaline brines in the Tyro and Bannock Basins, eastern
Mediterranean
G.J. de Lange, J.J. Middelburg, C.H. van der Weijden (Utrecht, The Netherlands),
G. Catalano (Trieste, Italy), G.W. Luther, III (Lewes, DE, U.S.A.), D.J. Hydes
(Wormley, Gt. Britain), J.R.W. Woittiez (Petten, The Netherlands) and G.P.
Klinkhammer (Cambridge, MA, U.S.A.)
Sulphate-related equilibria in the hypersaline brines of the Tyro and Bannock Basins,
eastern Mediterranean
G.J. de Lange, J.J. Middelburg, P. Van Gaans (Utrecht, The Netherlands), N.A.I.M.
Boelrijk (Amsterdam, The Netherlands), G. Catalano (Trieste, Italy), C. Corselli
(Milan, Italy), G.P. Klinkhammer (Cambridge, MA, U.S.A.), D.W. Müller
(Gainesville, FL, U.S.A.), W.J. Ullman (Lewes, DE, U.S.A.) and J.R.W. Woittiez
(Petten, The Netherlands)
The distribution of DOC and POC in the water column and brines of the Tyro and
Bannock Basins
E. Henneke and G.J. de Lange (Utrecht, The Netherlands)
Stable isotope study of water, gypsum and carbonate samples from the Bannock and
Tyro Basins, eastern Mediterranean
B. Stenni and A. Longinelli (Trieste, Italy)
Reduced sulfur in the hypersaline anoxic basins of the Mediterranean Sea
G.W. Luther, III (Lewes, DE, U.S.A.), G. Catalano (Trieste, Italy), G.J. de Lange
(Utrecht, The Netherlands) and J.R.W. Woittiez (Petten, The Netherlands)
Iodine chemistry in deep anoxic basins and overlying waters of the Mediterranean Sea
W.J. Ullman, G.W. Luther, III (Lewes, DE, U.S.A.), G.J. de Lange (Utrecht, The
Netherlands) and J.R.W. Woittiez (Petten, The Netherlands)
Profiles of the redox-sensitive trace elements As, Sb, V, Mo and U in the Tyro and
Bannock Basins (eastern Mediterranean)
C.H. van der Weijden, J.J. Middelburg, G.J. de Lange (Utrecht, The Netherlands),
H.A. van der Sloot, D. Hoede and J.R.W. Woittiez (Petten, The Netherlands)

Trace elements in suspended matter from the anoxic hypersaline Tyro and Bannock Basins (eastern Mediterranean)
H.A. van der Sloot, D. Hoede, G. Hamburg, J.R.W. Woittiez (Petten, The
Netherlands) and C.H. van der Weijden (Utrecht, The Netherlands)
The interface between oxic seawater and the anoxic Bannock brine; its sharpness and the consequences for the redox-related cycling of Mn and Ba
G.J. de Lange (Utrecht, The Netherlands), G. Catalano (Trieste, Italy), G.P.
Klinkhammer (Cambridge, MA, U.S.A.) and G.W. Luther, III (Lewes, DE, U.S.A.) 205
Research Papers
A laser-based fluorometry system for investigations of seawater and porewater fluorescence
R.F. Chen and J.L. Bada (La Jolla, CA, U.S.A.)
Significance of the surface microlayer to the environmental fate of di(2-ethylhexyl)- phthalate predicted from marine microcosms
E.W. Davey, K.T. Perez, A.E. Soper, N.F. Lackie, G.E. Morrison, R.L. Johnson
(Narragansett, RI, U.S.A.) and J.F. Heltshe (Kingston, RI, U.S.A.)
Uptake of selenium and other oxyanionic elements in marine ferromanganese concretions of different origins
N. Takematsu (Saitama, Japan), Y. Sato, S. Okabe (Shizuoka, Japan) and A. Usui (Ibaraki, Japan)
Arsenic chemistry in marine environments: a comparison between theoretical and field observations
M. Sadiq (Dhahran, Saudi Arabia)
Dynamics of dissolved organic carbon in the northwestern Indian Ocean
M.D. Kumar, A. Rajendran, K. Somasundar, B.N. Desai (Goa, India), B. Haake, A.
Jenisch, Z. Shou and V. Ittekkot (Hamburg, F.R.G.)
<i>Erratum</i>